FORM C: TANK SCHEDULE AND SPILL CONTAINMENT CALCULATIONS[1]
SUMMARY

TANK I.D. NUMBER	TANK NAME	TANK DIMENSIONS*	TANK CONTENTS	PH	IS TANK ELEVATED?**
T1	Ammonia Storage Tank	D=10', H=15' V=8000 gallons	19% Ammonia	9.5	No: Tank pad is 10.5' dia, 3" high
T2	Aux cooling water corrosion inhibitor	350 gallon tote 3.5' x 3.5' x 3.9'	Nalco 8322, a blend of molybdate, phospate, TT and a polymer	9	Bottom of tank is 3" above berm
T3	Water treatment skid: caustic storage	350 gallon tote 3.5' x 3.5' x 3.9'	Caustic	11	Bottom of tank is 3" above berm
T4	Cooling tower pH control	350 gallon tote 3.5' x 3.5' x 3.9'	Sulfuric acid	5	Bottom of tank is 3" above berm
T5	Cooling tower biocide	350 gallon tote 3.5' x 3.5' x 3.9'	Chorine/Bromine	9	Bottom of tank is 3" above berm
T6	Cooling tower deposit & scaling inhibitor	350 gallon tote 3.5' x 3.5' x 3.9'	Phospate polymer	9	Bottom of tank is 3" above berm
T7	HRSG Feedwater pH control	350 gallon tote 3.5' x 3.5' x 3.9'	Nalco 356 amine, a blend of cyclohexamine and morphaline	9	Bottom of tank is 3" above berm
T8	HRSG Chem: O_2 Scavenger	350 gallon tote 3.5' x 3.5' x 3.9'	Nalco Eliminox – an oxygen scavenger	9	Bottom of tank is 3" above berm
T9	HRSG Phosphate control	350 gallon tote 3.5' x 3.5' x 3.9'	Liquid sodium phosphate	9	Bottom of tank is 3" above berm
T10	Water treatment skid: hypochlorite storage	350 gallon tote 3.5' x 3.5' x 3.9'	Hypochlorite	8.5	Bottom of tank is 3" above berm
T11	Oil/water separator	Unit dimensions: 114" x 78" x 88" Tank volume: 1000 gal	Oily waste	7	No. Unit comes on a skid, most of the equipment is at least 1.5' above grade.
T12	Water treatment skid: sodium bisulfite storage	350 gallon tote 3.5' x 3.5' x 3.9'	Sodium bisulfite	9	Bottom of tank is 3" above berm
T13[2]	Transformer	5000 gallon capacity: 11' x 6.8' x 9'	Oil		No; transformer base is 81" x 131.5" and it is set on a 75 ft^2 foundation 1' high
T14	Waste drains tank	Tank is made of a 4' length of 24" standard schedule pipe with end caps, D_o=24", Tank volume: 100 gal	Oily waste	7	Unit is set so that bottom of tank is 18" above the bottom of a pit.

* Specify height and diameter if tank is round; or length, width and height if tank is rectangular.** If tank is elevated above the ground on legs, specify the location (elevation) of the bottom of the tank. If the tank is ocated on a pad or solid platform, specify the dimensions of the pad or platform.

1 Tank Schedules and Spill Containment Calculations for each containment area are provided in Attachment C.

2 Note: transformer oil spill containment meets the requirements IEEE 979, "IEEE Guide for Substation Fire Protection," and IEEE 980, "IEEE Guide for Containment and Control of Oil Spills."

2. Spill Containment Calculations (make additional copies if necessary).

Answer the following questions:

	Circle One
a) If this is your company's first permit submittal to the Districts, do you store hazardous or restricted materials?	**YES** NO
b) Does your company currently have tanks/equipment with hazardous or restricted solutions that lack adequate spill containment?	YES **NO**
c) Is your company proposing any additions/modifications of tanks or equipment that will need spill containment?	**YES** NO

If the answer to any of the questions above is "YES," your company must submit plans that describe and propose an adequate spill containment system and must complete the calculations below:

1. Containment Volume Required:

The required containment volume is equal to the capacity of the largest tank containing a solution that requires containment plus the volume of six inches of rain over the containment area (if the area is not roofed).

① = Volume of largest tank (assumed to spill)+ volume of six inches of rain over contained area (if area is outdoors)

① = See Attachment C _____ + _____

① = _____(specify units)

2. Containment Volume Provided:

The containment provided is equal to the volume of the dike, berm, sump or other containment structure minus the volume displaced by tanks, pads and other equipment within the containment area.

② = Volume of containment dike - volume displaced by tanks and other equipment

② = See Attachment C - _____

② = _____ (specify units)

Subtract ① from ②

② - ① = See Attachment C (must be greater than zero to satisfy spill containment requirements)

Note: All drains, sumps and associated plumbing within spill containment areas must be clearly shown on submitted drawings.